

In the Abstract, please replace the paragraph as follows:

An optical assembly comprising a light source, at least one sample vessel and a detector;
~~the at least one vessel being positioned in a light path or paths created between the source~~
~~and the detector in manner to enable transmission of light through the vessel wherein the~~
~~light source is adapted to provide a beam of substantially collimated light;~~ ~~†~~The detector
comprises a plurality of detector locations and the vessel comprises a wall and core of
relative shape and dimensions adapted to contain a sample for detection and to define at
least two spatially separated transmitted light paths, a first wall path which enters and
exits the vessel walls only, spatially separated from a second core path which enters and
exits the vessel walls and additionally the vessel core;
~~wherein †~~The spatially separated
wall and core paths are coupled to individual detector locations on the detector, a module
or clip-on device therefor;
~~m~~Methods for detection and uses ~~thereof of the optical~~
assembly are also disclosed.